

10

External Supply of Compressed Nitrogen with Regulator set to under < 150 PSI

38

Internal Regulator Set to 7.5 PSI

12

Electronics PCB with Watchdog Circuit

20

Pressure Transducer

14

Normally Closed Solenoid

16

Normally Closed Solenoid

24

Pressure Relief

22

.012" Orifice

36

Vent

18

Normally Closed Solenoid

42

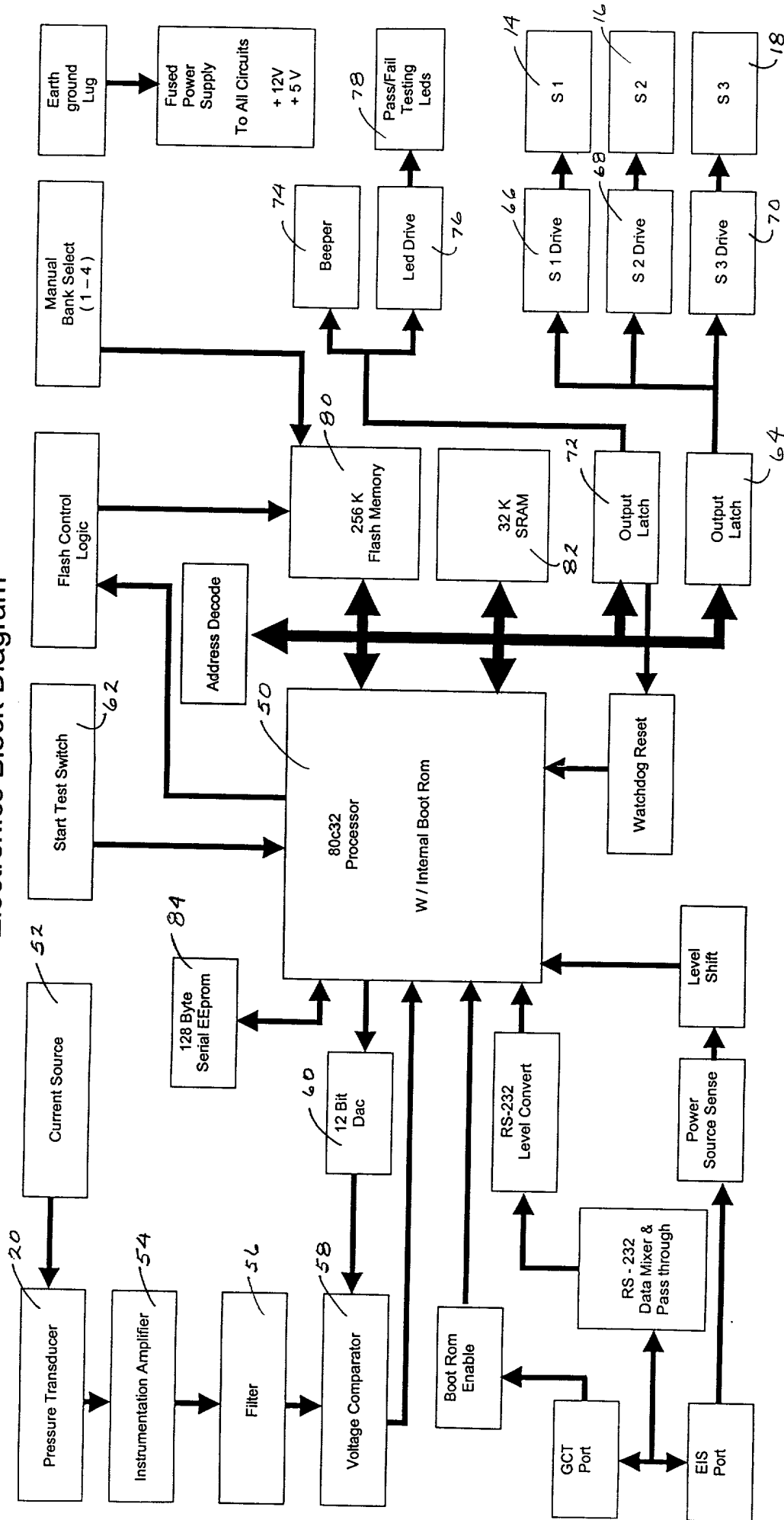
Fuel Tank Filler Neck Interface Adapter

44

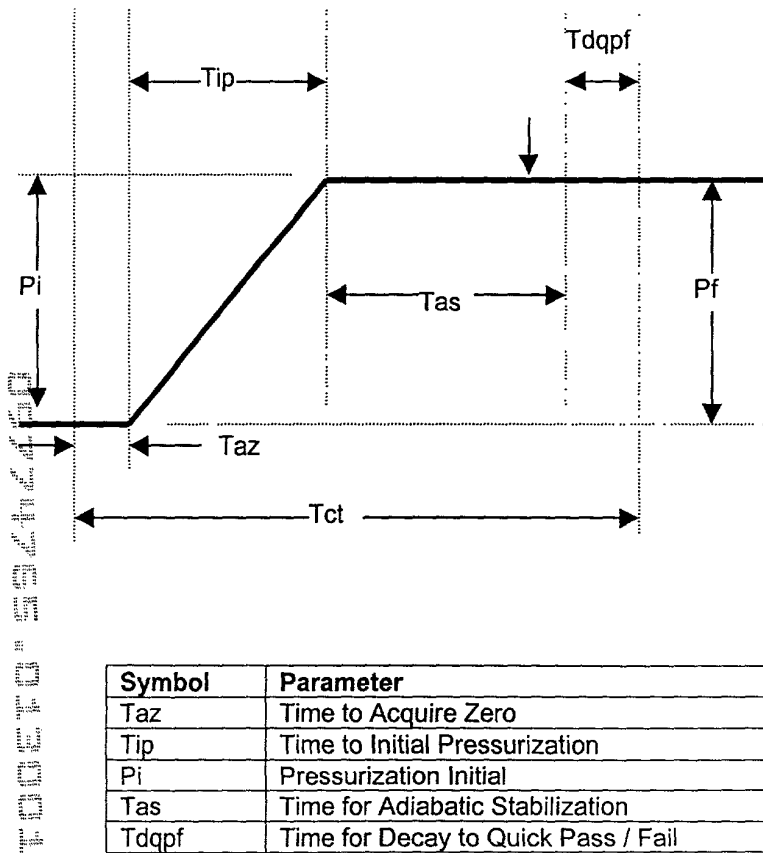
External 12VDC Power Source (UL listed) Class II 500mA

FIG. 1

FPT 3000 Evaporative System Pressure Tester Electronics Block Diagram

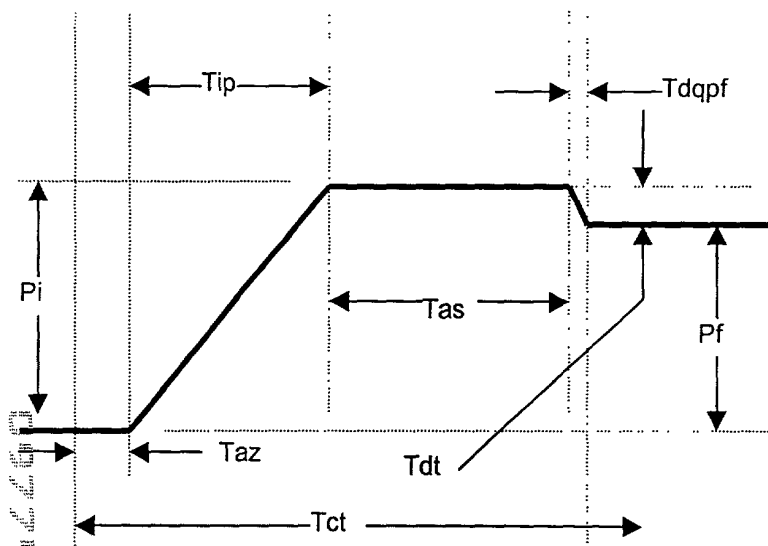


F16.2



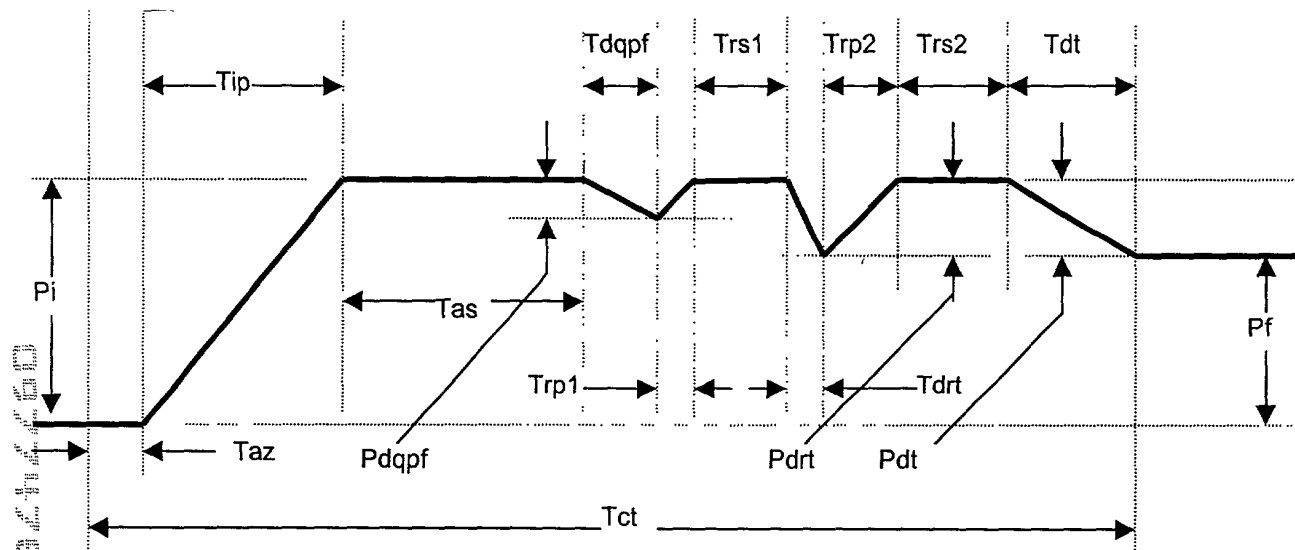
Symbol	Parameter	Typ.	Unit
Taz	Time to Acquire Zero	5	Seconds
Tip	Time to Initial Pressurization	60	Seconds
Pi	Pressurization Initial	14.5	Inches H2O
Tas	Time for Adiabatic Stabilization	60	Seconds
Tdcpf	Time for Decay to Quick Pass / Fail	30	Seconds
Pf	Pressure Final	14.5	Inches H2O
Tct	Time to Complete Test	155	Seconds

FIG. 3



Symbol	Parameter	Typ.	Unit
Taz	Time to Acquire Zero	5	Seconds
Tip	Time to Initial Pressurization	60	Seconds
Pi	Pressurization Initial	14.5	Inches H2O
Tas	Time for Adiabatic Stabilization	60	Seconds
Tdtpf	Time for Decay to Quick Pass / Fail	5	Seconds
Pdtpf	Pressure Decay to Quick Pass / Fail	0.75	Inches H2O
Pf	Pressure Final	14.5	Inches H2O
Tct	Time to Complete Test	130	Seconds

FIG. 4



Symbol	Parameter	Typ.	Unit
Taz	Time to Acquire Zero	5	Seconds
Tip	Time to Initial Pressurization	60	Seconds
Pi	Pressurization Initial	14.5	Inches H2O
Tas	Time for Adiabatic Stabilization	60	Seconds
Tdcpf	Time for Decay to Quick Pass / Fail	20	Seconds
Pdcpf	Pressure Decay to Quick Pass / Fail	0.75	Inches H2O
Trp1	Time to Recover Pressure 1	5	Seconds
Trs1	Time to Recover Stability 1	30	Seconds
Tdr1	Time for Decay Reference and Tank	20	Seconds
Pdr1	Pressure Decay for Reference and Tank	1.5	Inches H2O
Trp2	Time to Recover Pressure 2	10	Seconds
Trs2	Time to Recover Stability 2	30	Seconds
Tdt	Time to decay Tank	40	Seconds
Pdt	Pressure Decay Tank	1.5	Inches H2O
Pf	Pressure Final	13.0	Inches H2O
Tct	Time to Complete Test	280	Seconds

FIG. 5